

Australian Standard™

Meters for water supply

**Part 3: Water meters with integral dual
check valves**

This Australian Standard was prepared by Committee WS-024, Meters for Cold Potable Water. It was approved on behalf of the Council of Standards Australia on 1 March 2004 and published on 23 April 2004.

The following are represented on Committee WS-024:

Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Australian Industry Group
Australian Institute of Refrigeration Air Conditioning and Heating (Inc)
National Standards Commission
Water Services Association of Australia

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check valves**

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PREFACE

This Standard was prepared by the Standards Australia Committee, WS-024, Meters for Cold Potable Water. It supersedes AS 3565.3—1998 in part. The requirements for water meters which incorporate two integral single check valves are now contained in a new Part 5 of this Standard.

The objective of this Standard is to provide manufacturers with the requirements for water meters incorporating integral dual check valves.

This Standard is Part 3 of the following series:

AS

3565	Meters for water supply
3565.1	Part 1: Cold water meters
3565.2	Part 2: Combination meters
3565.3	Part 3: Water meters with integral dual check valves (this Standard)
3565.4	Part 4: In-service compliance testing
3565.5	Part 5: Water meters with two integral single check valves

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

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STANDARDS AUSTRALIA

Australian Standard
Meters for water supply

Part 3: Water meters with integral dual check valves

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for volumetric, multi-jet, and single-jet meters incorporating two independent non-return valves (dual CVs) for low hazard protection of potable water supply.

Water meters with integral dual check valves are intended for installation in water services to measure, within the accuracy limits of the class, the volume of cold potable water at working temperatures in the ranges of 0.3°C to 30°C and pressures not exceeding 1400 kPa, respectively.

This Standard is applicable to meters that are self-contained and capable of continuously determining, within the accuracy limits of the class, the volume of cold potable water that has flowed through them, and that are continuously indicating the volume on a cumulative basis.

Means for demonstrating compliance with this Standard are given in Appendix A

NOTE: Purchasing guidelines are given in AS 3565.1.

1.2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard.

AS

- | | |
|--------|---|
| 1722 | Pipe threads of Whitworth form |
| 1722.2 | Part 2: Fastening pipe threads |
| 2345 | Dezincification resistance of copper alloys |
| 3565 | Meters for water supply |
| 3565.1 | Part 1: Cold water meters |
| 4087 | Metallic flanges for waterworks purposes |

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|-------------|---|
| 2845 | Water supply—Backflow prevention devices |
| 2845.1 | Part 1: Materials, design and performance requirements |
| 4020 | Materials in contact with drinking water |
| HB
18.28 | Guidelines for third-party certification and accreditation – Guide 28 – General rules for a model third-party certification system for products |

NSC

- | | |
|-------|--|
| R49 | Water meters intended for the metering of cold potable water |
| R49.1 | Part 1: Metrological and technical requirements |